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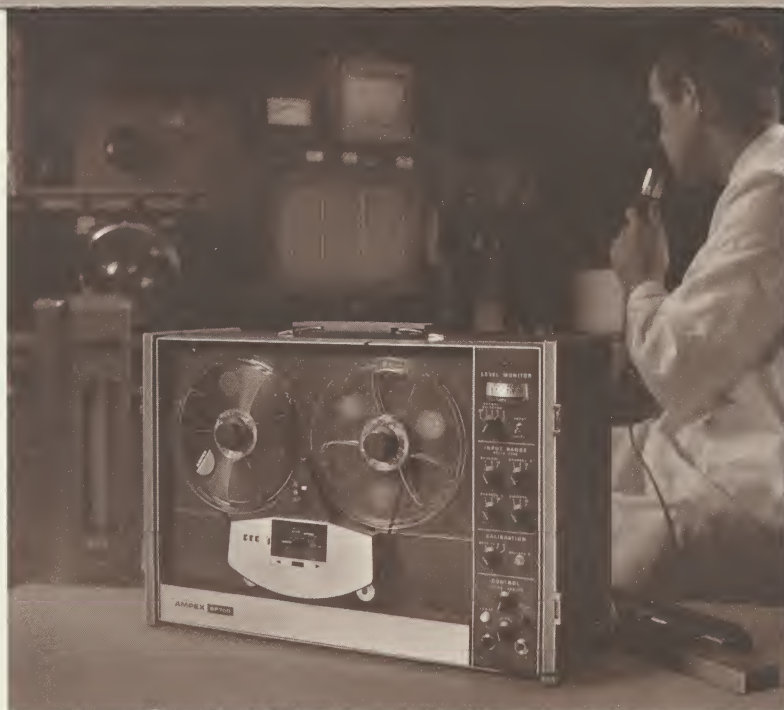


EXPERIMENT  
OF AN  
IN SEARCH  
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33 DATA

**AMPEX**

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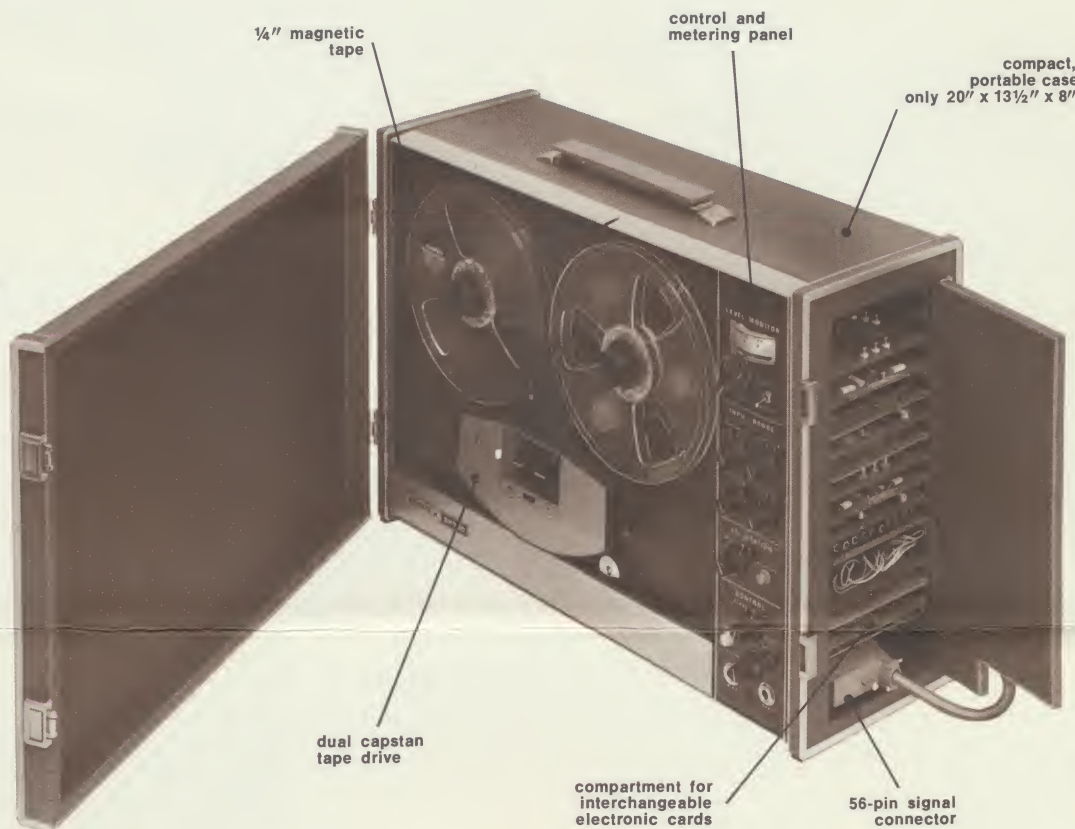




# AMPEX

## SP700...a new research and test data system for industrial, scientific, medical and university laboratories

- Expands your data gathering and data analysis capability
- Increases usefulness of your display and graphic recording devices



If you are now using graphic recorders (pen and ink, light beam or thermal), augment them by recording your data in its original electrical form on magnetic tape. You'll gather more data, at greater accuracy, and be able to perform more detailed analysis—all at a savings in time and cost.

In contrast to other types of recording, magnetic recording provides an electrical output identical to the input. You can electrically re-create your original experiment or event at any time by replaying the tape; its signals can be fed into any of your present analysis devices (such as meters, galvanometers, spectrum analyzers, shake tables, oscilloscopes, strip-chart recorders). You no longer need to store bulky paper charts... just re-create the chart again, in part or entirety, by rerunning the magnetic tape.

The Ampex SP700 is a 4-track magnetic tape instrumentation system. It uses low-cost, reusable 1/4-inch magnetic tape. Its self-contained electronics lets you record up to 33 data channels... recording 30 parameters in time shared multiplex form on one track and three parameters on remaining tracks for continuous FM data up to 2.5 kHz. If desired, voice commentary can also be recorded simultaneously with data. Its built-in multiplex capability lets you see a complete dynamic 30-channel bar graph on a single external oscilloscope.

The time base of the data can also be altered to suit your needs. The SP700's three tape speeds allow you (on playback) to stretch data (time expansion) by running the tape at a slower speed than the original recording. Or, data can be speeded up (time

contraction). For example, a rapid shock wave can be slowed down and examined in detail with readout on a CRT display or chart recorder. A slowly varying temperature profile can be accelerated to read a trend. A faster playback can be used to feed higher speed A-D converters for direct computer reduction and analysis.

An Ampex SP700 can greatly increase efficiency of your present data gathering and data analysis capability. Presently used display and graphic recording devices become more useful than ever before.

Ask for a dynamic demonstration of the Ampex SP700 today.

# AMPEX



## SP700

Gentlemen:

I am interested in the SP700...

☐ Please have a representative call

☐ Please send descriptive literature

Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

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